



ARIZONA GOVERNOR'S OFFICE OF HIGHWAY SAFETY Grant Application for Law Enforcement Projects

Federal Fiscal Year: 2025

DUE DATE: March 8, 2024

Grant application decisions are reviewed and decided upon by GOHS and include consideration of the following: analysis of crash data, need for the project, past performance with highway safety grants (if applicable), and Federal funding availability. Please contact the Arizona Governor's Office of Highway Safety at (602) 255-3216 if you need assistance with this application. Please email proposal to grants@azgohs.gov

SECTION A: Agency Application Information

Agency:

Agency Name: Northwest Fire District
Address: 13535 N. Marana Main Street
City, State, Zip: Marana, Arizona 85653
Fax: (520) 887-1034
Phone: (520) 887-1010

**Governmental Unit:
(City, Town, County)**

Governmental Name: Northwest Fire District Board of Directors
Mgr/Supvr Title & Name: Chairman George Carter
Address: 13535 N. Marana Main Street
City, State, Zip: Marana, Arizona 85653

Project Director:

Chief/Sheriff Title & Name: Fire Chief Norman K, "Brad" Bradley III
Address: 13535 N. Marana Main Street
City, State, Zip: Marana, Arizona 85653
Phone: (520) 887-1010
Email: BBradley@nwfdaz.gov

Project Admin:

Title & Name: Grants Manager Sandy Russell
Address: 13535 N. Marana Main Street
City, State, Zip: Marana, Arizona 85653
Phone: (520) 887-1010
Email: SRussell@nwfdaz.gov

Financial Contact:

Title & Name: Finance Manager Tabitha Walsh
Address: 13535 N. Marana Main Street
City, State, Zip: Marana, Arizona 85653
Phone: (520) 887-1010
Email: TWalsh@nwfdaz.gov

Please attach a cover letter addressed to the Director of the Governor's Office of Highway Safety on agency letterhead. This cover letter **must be signed** by a representative of your agency authorized to commit your agency to conduct the grant should it be approved for funding.



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SECTION B-1: Agency Overview – Emergency Medical Services

Fill in the information and statistics in this section for your jurisdiction.

Project Title: Battery-Powered Extrication Tools

Project Description: (1 or 2 paragraphs, brief overview)

The Northwest Fire District (NWFD) is requesting \$98,757 to purchase two battery-powered rescue tool packages. Each package includes (1) spreader, (1) cutter, (1) ram tool, (6) batteries, (3) battery chargers & cords, and (2) daisy chain power cords. These tools will replace two sets of hydraulic rescue tools, (purchased in 2008), that operate from a gas-powered generator. The 2008 tools have reached the end of their service life. The NWFD equipment work group identified the suitable replacement through an evaluation process, resulting in the battery powered recommendation. The recommended equipment furthers NWFD efforts of reducing crash to hospital times and improving firefighter roadway safety. The replacement of end-of-life gas-powered tools with battery- powered tools is part of a larger NWFD initiative to address cancer prevention in response to presumptive cancer legislation for firefighters, ARS 23-901.09.

Number of emergency responders: 204

Total Population in your city/town/district: 135,865

Total Road Mileage: Highway 43 Local 917 Total 960

Crash Data: Include all data for your jurisdiction, not crashes only worked by your agency.

	2023	2022	2021
Total Crashes	620	549	511
Total Injury Crashes	369	313	315
Total Fatal Crashes	8	4	6
Traffic Calls for Service	620	549	511
Total Serious Injuries	293	263	275
Total Fatalities	8	4	6
Crash to Hospital Arrival Times (Min.)	27	24	26

The data above represents: District ☒ City/Town ☐



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SECTION B-2: Problem Identification

Provide a narrative of the highway safety problem in your community/jurisdiction. Describe the nature and magnitude of the problem using valid, up-to-date statistical data. Identify which program area(s) have the greatest need, (i.e., impaired driving, occupant protection, speeding and aggressive driving, pedestrian safety, etc.). Indicate what is happening, when it is happening, where it is happening, and the contributing factors.

The highway and road safety problem that exists in the Northwest Fire District are the hazards faced by first responders associated with roadway exposures (high speed traffic, distracted drivers, and secondary collisions). It is understood that the roadways and highways pose an additional threat to the safety of those involved, those who respond, and to the greater community. Roadway collisions tend to create hazards, such as secondary accidents due to distracted driving. The threat to patients and first responders persists as long as they are exposed in the roadway.

Northwest Fire District experienced 1,680 roadway and highway incidents in the 3-year period between 2021 – 2023. Of these incidents, 831 resulted in serious injuries and 18 casualties. The average crash to hospital time is 25.6 minutes, improving by 10.5 minutes from the 3 previous years (2018-2020). Northwest Fire District is dedicated to improving these times, thus reducing the time of exposure to roadway hazards. The approach to reduction is creating on-scene efficiencies by providing the first arriving emergency responders with the proper tools, training, and equipment. Northwest Fire District is in need of replacing 2 sets of extrication equipment and has identified battery powered equipment as a suitable replacement. Battery powered extrication equipment simplifies the tool requirements by eliminating a stand-alone power-plant and tethered hydraulic lines. Battery powered equipment requires no further set-up, provides maximum portability, and maintains the working performance of traditional hydraulic systems. The efficiencies created with battery powered tools, will expedite the extrication process, allowing faster patient contact, transportation to definitive care, and removing public safety pedestrian traffic from the roadways.



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SECTION C: Goals and Objectives – Emergency Medical Services

Based on your problem identification stated in Section B-2, fill in the blanks for each agency Goal and Contract Objective outlined below. The 2025 Federal Fiscal Year begins on October 1, 2024 and ends on September 30, 2025.

Agency Goal:

To decrease the average Crash to Hospital Arrival Time in extrication crashes from 25.6 minutes during calendar year 2024 to _____ minutes by December 31, 2025.

Contract Objectives:

In addition to the required goals, create two additional contract objectives that your agency can achieve by the end of FFY 2025.

Reduce the operational set-up time (on scene to first cut) to under 6 minutes from arrival.

Establish a total extrication time (on scene to completed extrication) benchmark of 15 minutes or less.



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SECTION D: Project Strategies and Activities (Method of Procedure)

In the spaces below, list or describe specific planned activities that your agency will perform in order to achieve their project objectives on a quarterly basis. Activities should describe what will be done, who will do it, and when it will take place. Objectives and subsequent activities in your project should follow the SMART method:

S = Specific
M = Measurable
A = Action-Oriented
R = Realistic
T = Time-Framed

1st Quarter: 10/01/2024 - 12/31/2024

Estimated 1st Quarter Expenditures: \$ 98,757

Purchase 2 sets of battery-powered extrication tools. The vendor has not indicated supply chain issues with this product; delivery is anticipated within twelve to sixteen weeks of ordering.

2nd Quarter: 01/01/2025 - 03/31/2025

Estimated 2nd Quarter Expenditures: \$ 0

Conduct extrication training for all suppression personnel coordinated through the Northwest Fire District Training Division.

Establish Crash to hospital time standards with time stamp in Record Management System.

Establish Scene to Extrication complete benchmark and time stamp in Record Management System.



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SECTION D: Project Strategies and Activities (Continued)

3rd Quarter: 04/01/2025 - 06/30/2025

Estimated 3rd Quarter Expenditures: \$ 0

Install necessary components for charging systems into the 2 selected front-line Engine Companies coordinated through Northwest Fire District Fleet Services Division.

Place all tools in service on select front-line engine companies

Remove older extrication equipment from front-line apparatus coordinated through Procurement and Finance Division.

4th Quarter: 07/01/2025 - 09/30/2025

Estimated 4th Quarter Expenditures: \$ 0

Establish and perform annual evaluation of all motor vehicle accidents with emphasis on apparatus with battery powered equipment. Performance standards (crash to hospital and Extrication complete) will be measured against establish benchmarks and as a comparative between battery powered equipment and traditional hydraulic tools.



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SECTION E: Detailed Project Budget

Please fill in the budget category that relates to your agency's project proposal. Please note that GOHS only grants overtime projects at a maximum employee related expense (ERE) rate of 40%.

Personnel Services

Description:

N/A

Personnel Services: **Employee Related Expenses:**

Description	Requested Amount	Overtime Amount	ERE Amount	ERE %
				0.00%
				0.00%
				0.00%

Total:



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Professional & Outside Services

Description:

N/A

Professional & Outside Services:

Description	Requested Amount

Total:



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Travel
In-state & Out-of-State

Description:

N/A

Travel:

Description	Transport	Lodging	Meals	Misc.	Amount

Total:



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Materials & Supplies

Description:

Battery Chargers - 1 charger per each tool for a total of 6.
 On-Tool Charging Cords - 1 cord per each tool for a total of 6.
 Daisy Chain Power Cords - Allows multiple tools to charge from one outlet. A total of 4 cords.
 Batteries - 2 batteries per tool for a total of 6.
 Discount offered by vendor - 10% off extended price.
 Sales Tax 8.6% of extended amount before 10% discount.

Materials & Supplies: Designated for items with a per unit cost less than \$5,000.00.

Description	Quantity	Price Per Unit	Tax	Shipping	Amount
Battery Charger	6	647	334	47	4,263
	6	116	60	9	
Daisy Chain Power Cord	4	17	6	1	75
	12	976	1,007	143	
Discount	1	-1,636	0	0	-1,636

Total: \$ 16,329



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Capital Outlay

Description:

Battery-Powered Cutter Tool - 1 cutter per set for a total of 2.
 Battery-Powered Spreader Tool - 1 spreader per set for a total of 2.
 Battery-Powered Ram Tool - 1 ram per set for a total of 2.
 Discount offered by vendor - 10% off extended price.
 Sales Tax 8.6% of extended amount before 10% discount.

Capital Outlay: Designated for any equipment with a per unit cost of \$5,000.00 or more. All other items should be placed in Materials & Supplies.

NOTE: It is the Agency's responsibility to confirm the equipment is Buy America compliant. A letter from the manufacturer may be required.

Description	Quantity	Price Per Unit	Tax	Shipping	Amount
Cutter	2	14,542	2,501	356	31,941
	2	14,996	2,579	367	
Ram	2	11,749	2,021	287	25,806
	1	-8,257	0	0	
					NaN

Total: \$ 82,428



**ARIZONA GOVERNOR'S OFFICE OF HIGHWAY SAFETY
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Total Estimated Costs

Description	Requested Amount
Personnel Services	\$ 0
Employee Related Expenses	\$ 0
Professional & Outside Services	\$ 0
Travel	\$ 0
Materials & Supplies	\$ 16,329
Capital Outlay	\$ 82,428
Total:	\$ 98,757

ERE: 0.00%

SECTION F: Additional Proposal Information

If there is any additional information that your agency would like to attach to their proposal, please include a PDF attachment with your proposal. Additional information may include: pictures, invoice estimates, City/Town/County resolutions, additional enforcement information, etc.